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PTO/SB/21 (04-04)

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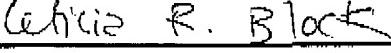
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|  |    |                        |                     |
|--|----|------------------------|---------------------|
|  |    | Application Number     | 10/006,174          |
|  |    | Filing Date            | 12/04/01            |
|  |    | First Named Inventor   | Simon Cawley et al. |
|  |    | Art Unit               | 1631                |
|  |    | Examiner Name          | Lori A. Clow        |
| Total Number of Pages in This Submission | 17 | Attorney Docket Number | 3397.1              |

## ENCLOSURES (check all that apply)

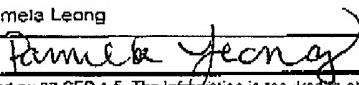
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| Remarks  |  |   |

## SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT

|                         |   |  |
|-------------------------|---|--|
| Firm or Individual name | Leticia Block Reg. No. 50,167   |  |
| Signature               |  |  |
| Date                    | August 11, 2004   |  |

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| Typed or printed name | Pamela Leong  |      |                 |
| Signature             |  | Date | August 11, 2004 |

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**OFFICIAL** PATENT  
Attorney Docket No. 3397.1

## IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicants: Simon Cawley et al.

Examiner: Lori A. Clow

Serial No: 10/006,174

Group Art Unit: 1631

Filing Date: 12/4/2001

**Title: Method and Computer Software  
for Products Determining Orientation of  
Sequence Clusters.**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**AMENDMENT/ RESPONSE**

Sir:

In reply to the Office Action mailed 02/11/2004, Applicants respectfully request reconsideration of the pending rejections and reexamination of the present application in view of the following amendments and remarks.

**Amendments to the Specification** begin on page 2 of this paper.

**Amendments to the Claims** are reflected in the listing of claims which begins on page 3 of this paper.

**Remarks/Arguments** begin on page 8 of this paper.